Idaho Department of Environmental Quality

Mission: To protect human health and preserve the quality of Idaho's air, land, and water for use and enjoyment today and in the future.

DEQ

WASHINGTON STATE DEPARTMENT OF Natural Resources

WASHINGTON STATE DEPARTMENT OF ECOLOGY

RDT UPDATE NAVIGATION REGIONAL INITIATIVES 14 Sept 2005

US Army Corps of Engineers ®

EPA United States Environmental Protection Agency REGION 10

U.S. FISH & WILDLIFE SERVICE

NOAA National Oceanic and Atmospheric Administration

GOALS OF OUR REGIONAL INITIATIVES MEETING

- UNDERSTAND THE INITIATIVES & MEET THE KEY REGIONAL PLAYERS
- UNDERSTAND YOUR AGENCY ROLE
- UNDERSTAND YOUR PEOPLES INVOLVEMENT
- UNDERSTAND HOW WE GOT HERE
- NEXT STEPS
- INPUT INTO WHERE WE ARE GOING

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DEQ

WASHINGTON STATE DEPARTMENT OF Natural Resources

WASHINGTON STATE DEPARTMENT OF ECOLOGY

REGIONAL INITIATIVES

- REGIONAL DREDGING TEAM (RDT)
- REGULATORY REVIEW GROUP
- REGIONAL SEDIMENT EVALUATION TEAM (RSET)
- REGIONAL SEDIMENT MANAGEMENT (RSM)
- DREDGED MATERIAL MANAGEMENT PLANS (DMMP)
- PACNAVCOP
- REGIONAL DREDGING CONTRACT

US Army Corps of Engineers ®

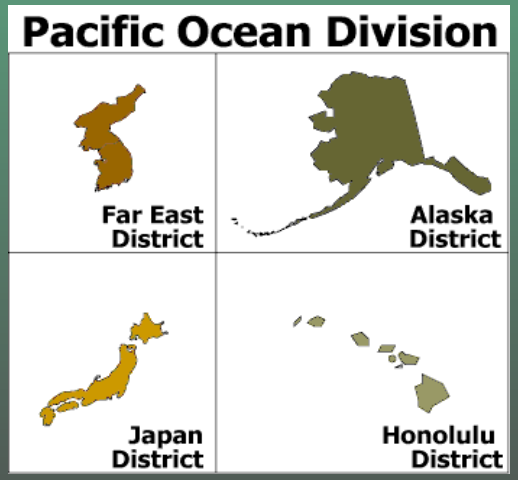
EPA United States Environmental Protection Agency REGION 10

U.S. FISH & WILDLIFE SERVICE

NOAA National Oceanic and Atmospheric Administration

Pacific Coast Navigation Community of Practice

Northwestern Division
South Pacific Division
Pacific Ocean Division



Purpose of the Navigation Community of Practice

Programmatic, regional overview of the navigation business area.

Forum for Districts/Divisions to discuss and resolve issues.

Efficient execution of our navigation mission.

Provide regional expertise and cooperative problem solving.

Keep Division/District Commanders informed of issues and actions.

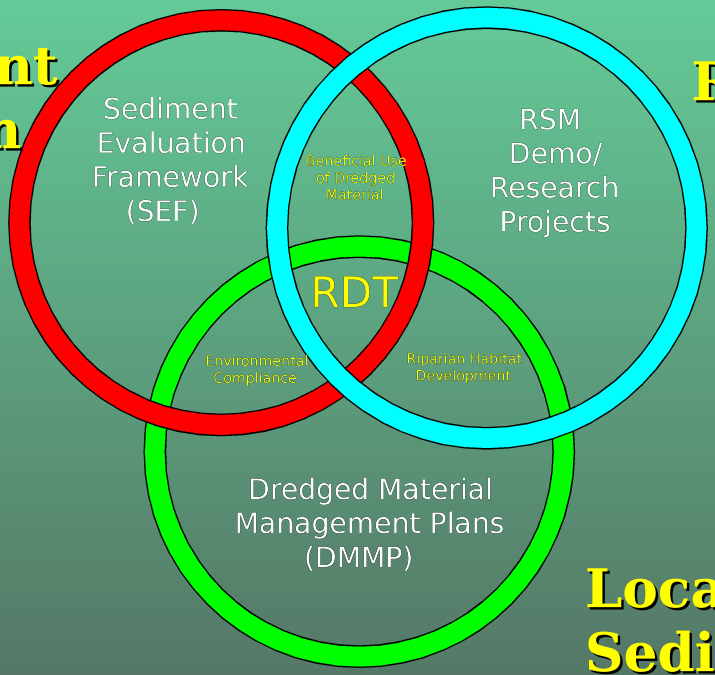
Identify and prioritize regional navigation R and D needs.

WEST COAST REGIONAL DREDGING CONTRACT

Columbia River
8 Jun – 9 Aug for 3000KCY @ MCR
10 Aug – 23 Aug for 480KCY @ C&L
Gray's Harbor
1 Apr – 31 May; 300KCY
Coos Bay
24 Aug – 30 Sep; 750KCY
Humboldt Harbor
1 Sep – 15 Nov; 700KCY
San Francisco Bay
1 Apr – 30 Nov; 45KCY
Anchorage Harbor
1 April – 30 April
and/or
1 Oct – 15 Dec; 300KCY
Projects Being Considered

REGIONAL RELATIONSHIPS

Regional Sediment Evaluation Team RSET



Regional Sediment Management RSM

Local (Corps District) Sediment Management Group (LSMG)

US Army Corps of Engineers®
Northwestern Division

Northwest Regional Dredging Team

Charter Agency Member

CHARTER

Vision

Dredging and disposal of sediments from Northwest harbors, channels and waterways is conducted in a timely and cost effective manner while meeting national and regional environmental protection, restoration, and enhancement goals.

Goals

The Regional Dredging Team will facilitate communication, coordination, and resolution of dredging issues among the participating Federal agencies, and will serve as a forum for promoting the implementation of the recommendations in the Report to the Secretary of Transportation, and subsequent recommendations of the National Dredging Team already functioning as recommended in the plan.

David A. Fastabend
Brigidier General, U.S. Army
Division Engineer
U.S. Army Corps of Engineers
U.S. Department of Defense
Co-Chair

L. John Iani
Regional Administrator
Region 10
U.S. Environmental Protection Agency
Co-Chair

D. Robert Lohn
Regional Administrator
National Oceanic and Atmospheric Administration – Fisheries
U.S. Department of Commerce

David Allen
Regional Director
U.S. Fish and Wildlife Service
U.S. Department of Interior

Francis X. Johnston
Maritime Administration
U.S. Department of Transportation
Western Region

Introduction

- **National Dredging Team formed by DOT Report to Congress 1994**
- **Northwest Regional Dredging Team (RDT) Formed – April 2002 by EPA Region 10 and Northwestern Division Corps**
- **Northwest for purposes of this charter is defined as inclusive of the States of Washington, Oregon, and Idaho**
- **Purpose of RDT is to facilitate resolution of local and regional dredging/sediment issues as the regional extension of the national interagency dredging issues team (NDT)**

National Dredging Team

- 1993: nationwide public meetings DOT
- 1994: report to congress: The dredging process in the united states: An action plan for improvement
- 1995: national charter signed by 6 agencies: USACE, US EPA, NMFS, USFWS, US DOT (MARAD), NOS
- New NDT Charter signed 2004 Coast Guard (HomeLand Security)

  and Navy Now Members

NATIONAL DREDGING TEAM

LEGISLATIVE AUTHORITIES

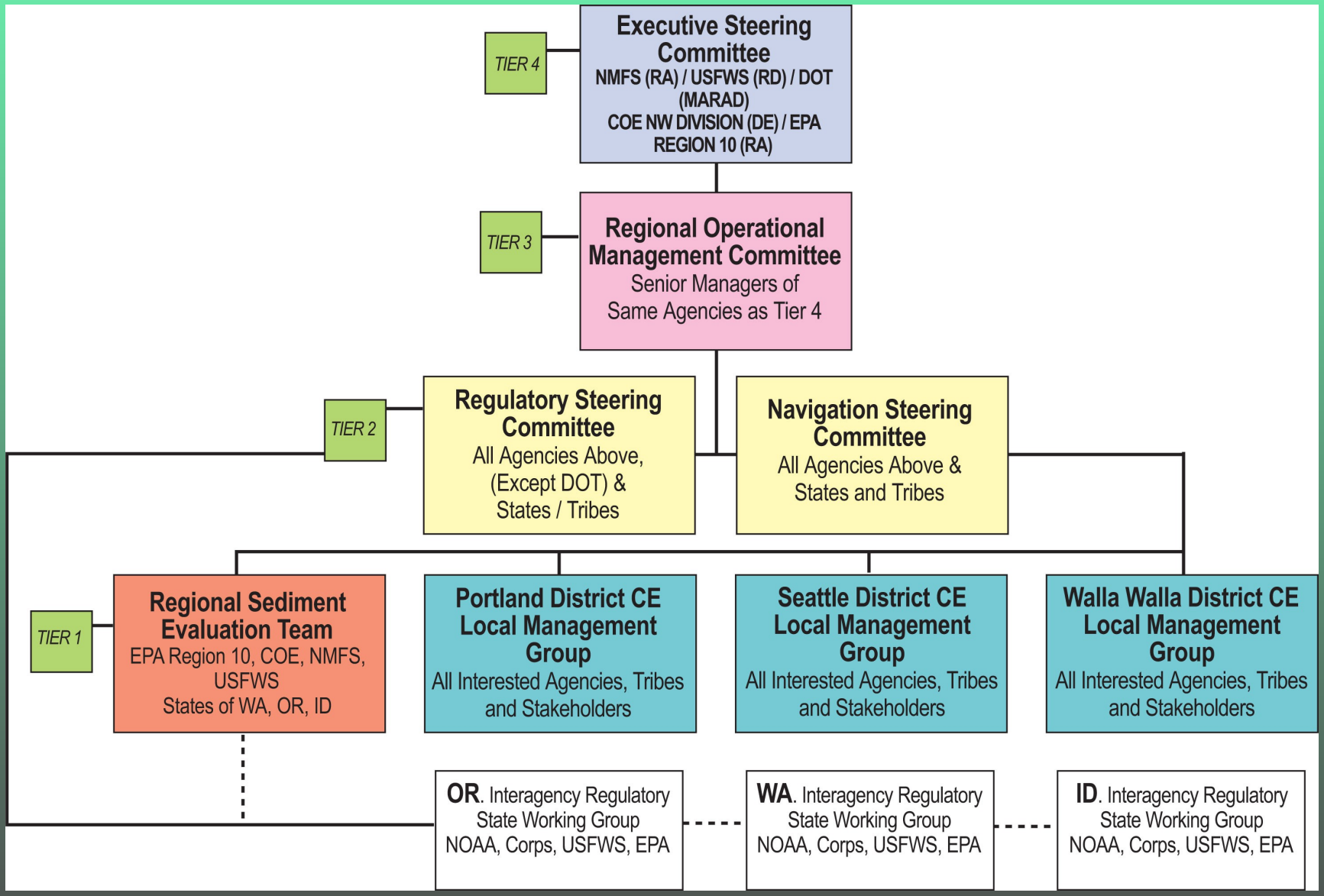
- Federal Water Pollution Control (Clean Water) Act
- Rivers and Harbors Act of 1899
- Fish and Wildlife Coordination Act
- Endangered Species Act
- Coastal Zone Management Act
- Marine Protection, Research and Sanctuaries Act
- Merchant Marine Act
- National Environmental Policy Act
- Water Resources Development Acts

National Dredging Team

ISSUE RESOLUTION

The National Team is committed to resolution of issues at the lowest authorized management level and Regional Teams are expected to utilize all available means to resolve issues prior to submitting a request to the National Team for elevation

RDT/Regulatory: Overall Structure


TIER 4
Executive Steering Committee
NMFS (RA) / USFWS (RD) / DOT (MARAD)
COE NW DIVISION (DE) / EPA REGION 10 (RA)
TIER 3
Regional Operational Management Committee
Senior Managers of Same Agencies as Tier 4
TIER 2
Regulatory Steering Committee
All Agencies Above, (Except DOT) & States / Tribes
Navigation Steering Committee
All Agencies Above & States and Tribes
TIER 1
Regional Sediment Evaluation Team
EPA Region 10, COE, NMFS, USFWS
States of WA, OR, ID
Portland District CE Local Management Group
All Interested Agencies, Tribes and Stakeholders
Seattle District CE Local Management Group
All Interested Agencies, Tribes and Stakeholders
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NOAA, Corps, USFWS, EPA
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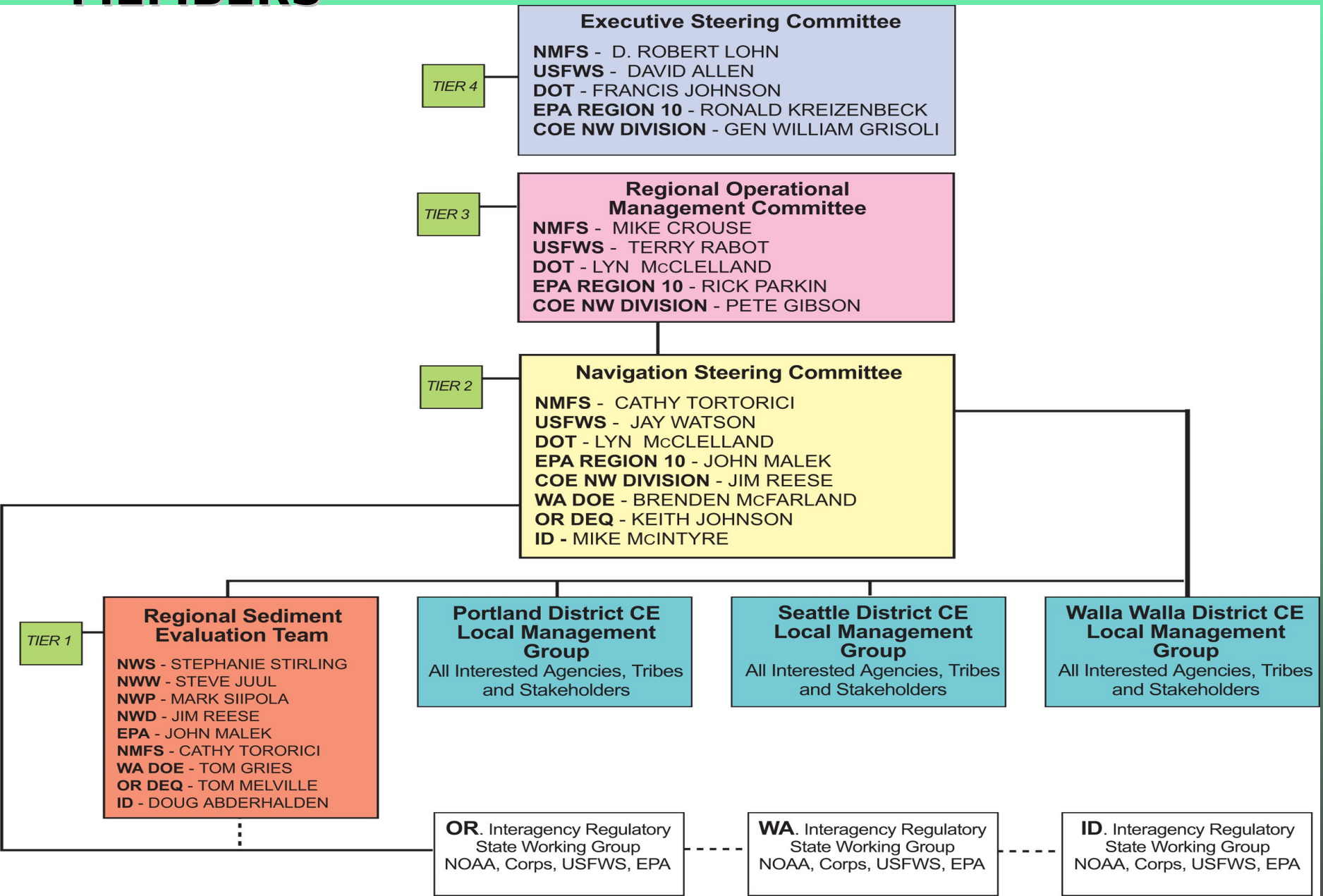
NOAA, Corps, USFWS, EPA

REGIONAL DREDGING TEAM DESIGNATED MEMBERS


Executive Steering Committee
NMFS - D. ROBERT LOHN
USFWS - DAVID ALLEN
DOT - FRANCIS JOHNSON
EPA REGION 10 - RONALD KREIZENBECK
COE NW DIVISION - GEN WILLIAM GRISOLI
TIER 4
Regional Operational Management Committee
NMFS - MIKE CROUSE
USFWS - TERRY RABOT
DOT - LYN McCLELLAND
EPA REGION 10 - RICK PARKIN
COE NW DIVISION - PETE GIBSON
TIER 3
Navigation Steering Committee
NMFS - CATHY TORTORICI
USFWS - JAY WATSON
DOT - LYN McCLELLAND
EPA REGION 10 - JOHN MALEK
COE NW DIVISION - JIM REESE
WA DOE - BRENDEN McFARLAND
OR DEQ - KEITH JOHNSON
ID - MIKE McINTYRE
TIER 2
TIER 1
Regional Sediment Evaluation Team
NWS - STEPHANIE STIRLING
NWW - STEVE JUUL
NWP - MARK SIIPOLA
NWD - JIM REESE
EPA - JOHN MALEK
NMFS - CATHY TORORICI
WA DOE - TOM GRIES
OR DEQ - TOM MELVILLE
ID - DOUG ABDERHALDEN
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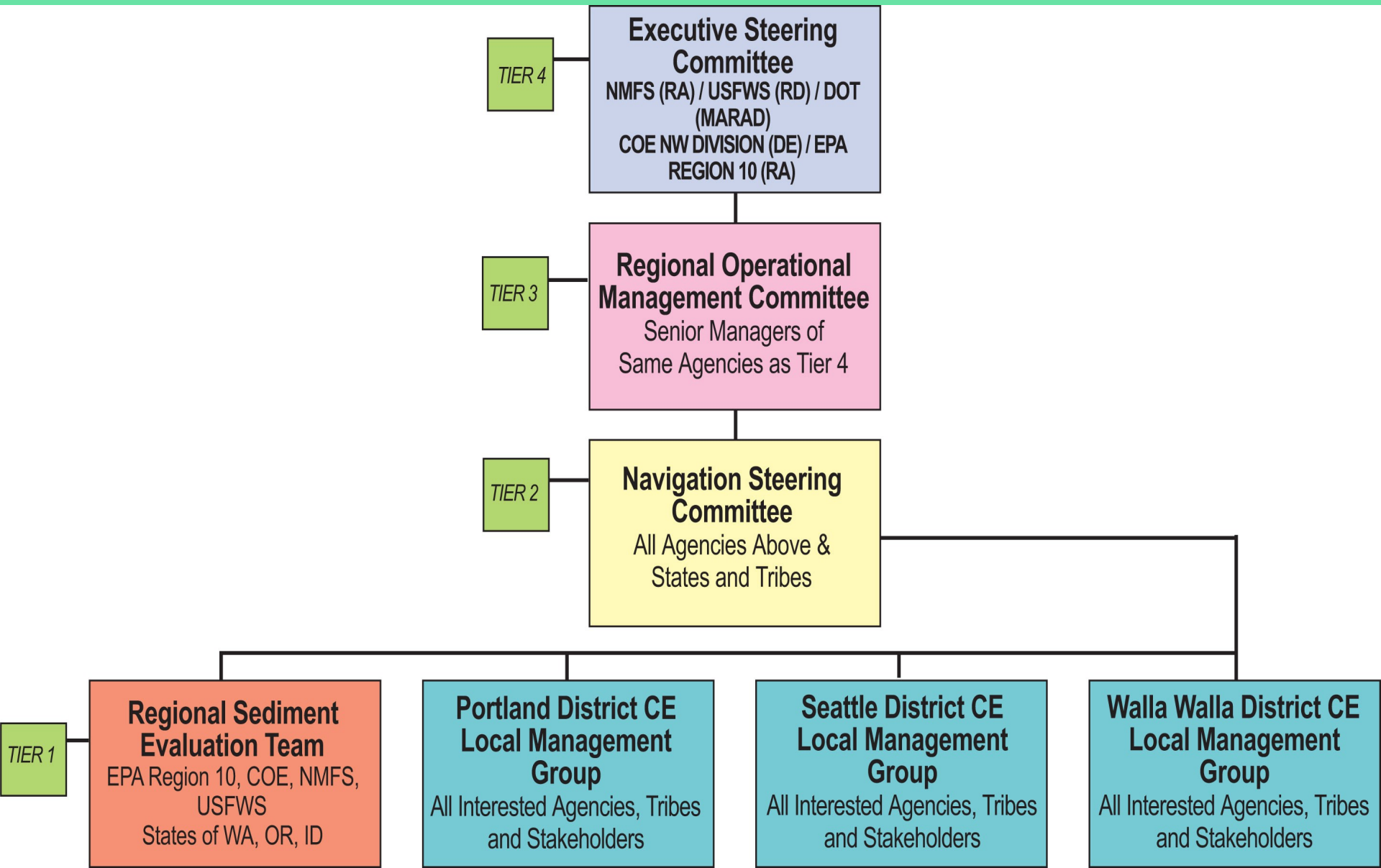
REGIONAL DREDGING TEAM OVER ALL STRUCTURE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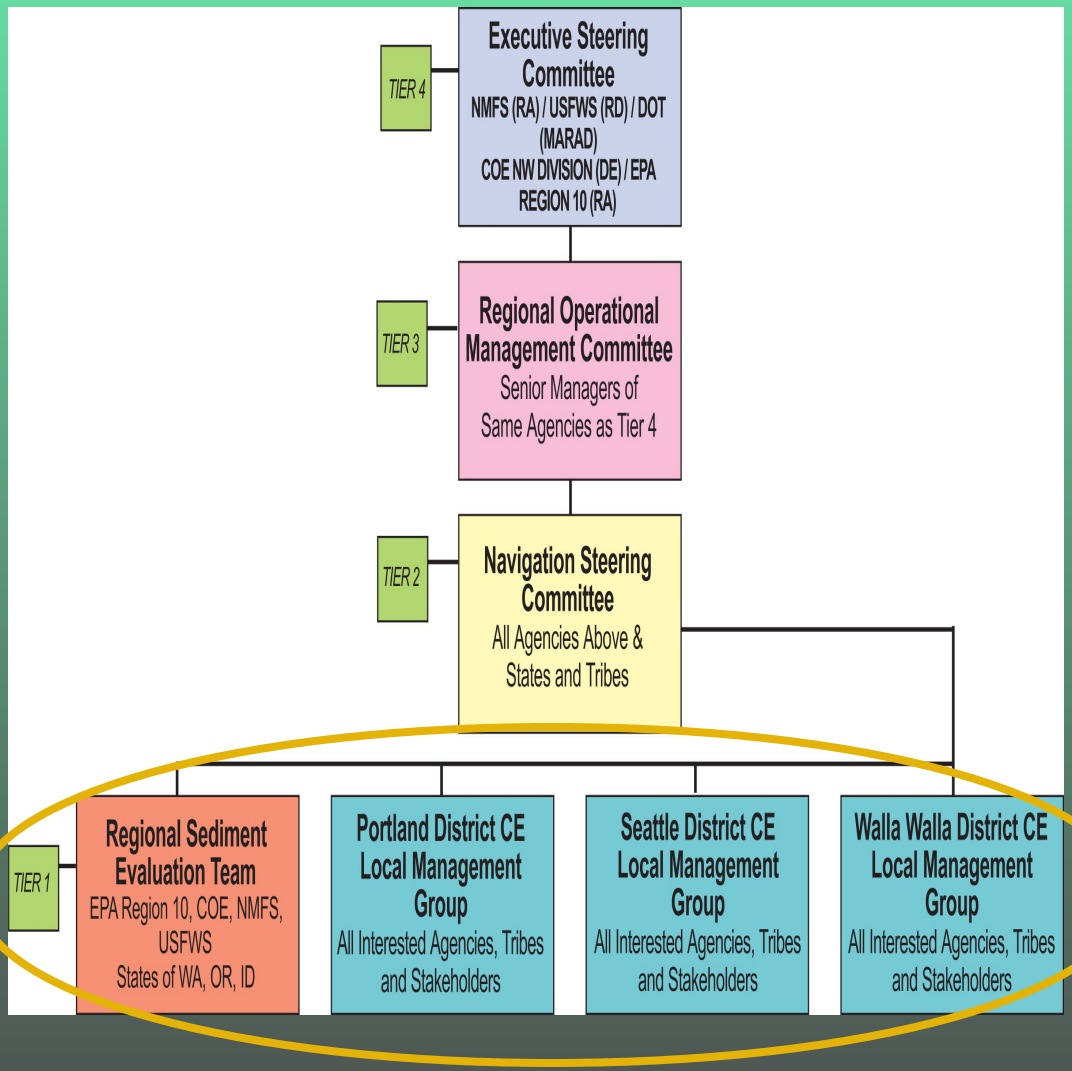
REGIONAL DREDGING TEAM Local Management Groups Tier 1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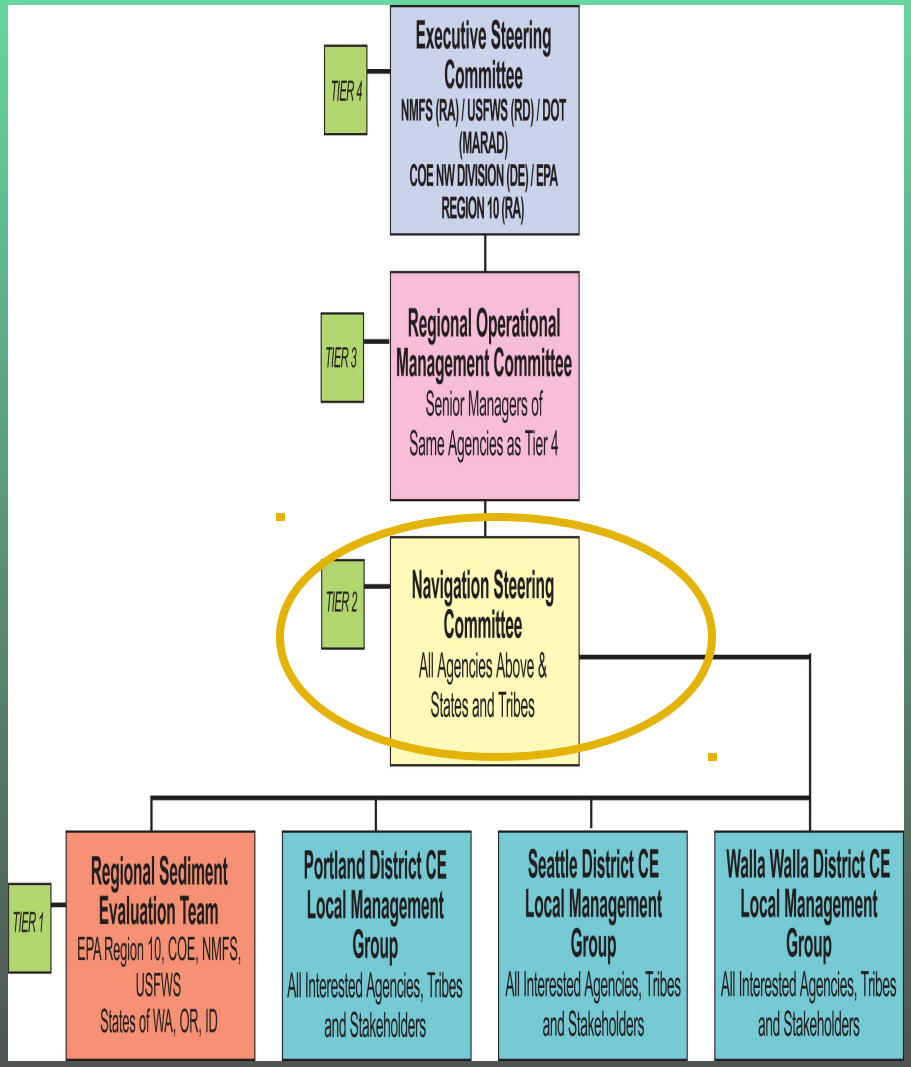
All Interested Agencies, Tribes and Stakeholders

- **Conducts day to day**
- **Resolves all issues possible decides when to elevate**
- **Develops dredged material management plans (DMMP).**
- **Made up of:**
  - **Federal agencies**
  - **Tribes**
  - **State agencies**
  - **Ports**
  - **NGOs**
- **Chaired by CE District (teams can be sub-divided by watersheds if needed)**

REGIONAL DREDGING TEAM Navigation Steering Committee Tier 2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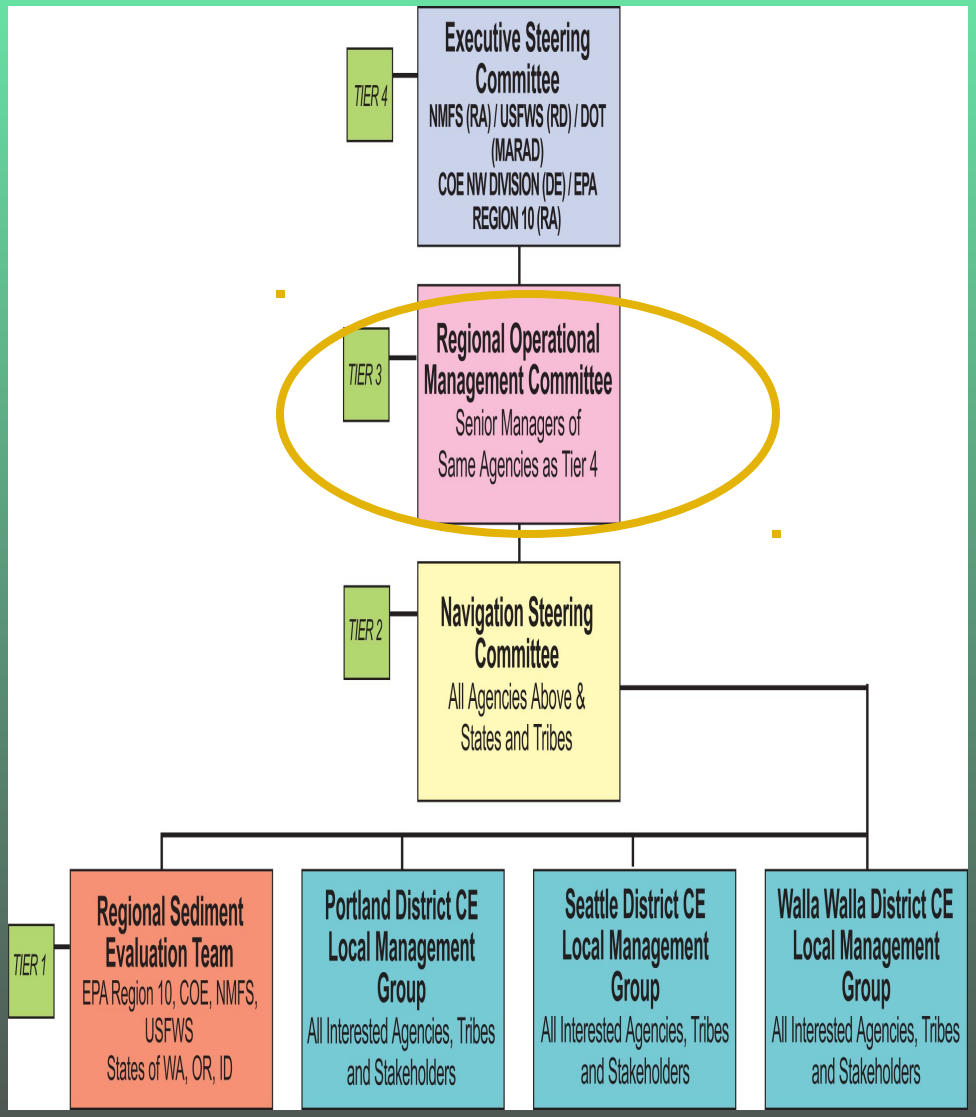
- Participate with all tiers
- Facilitate between tiers and elevate as requested
- Works with executive steering committee
- Attends all national level functions
- Presents cases to national team

REGIONAL DREDGING TEAM Operational Management Committee Tier 3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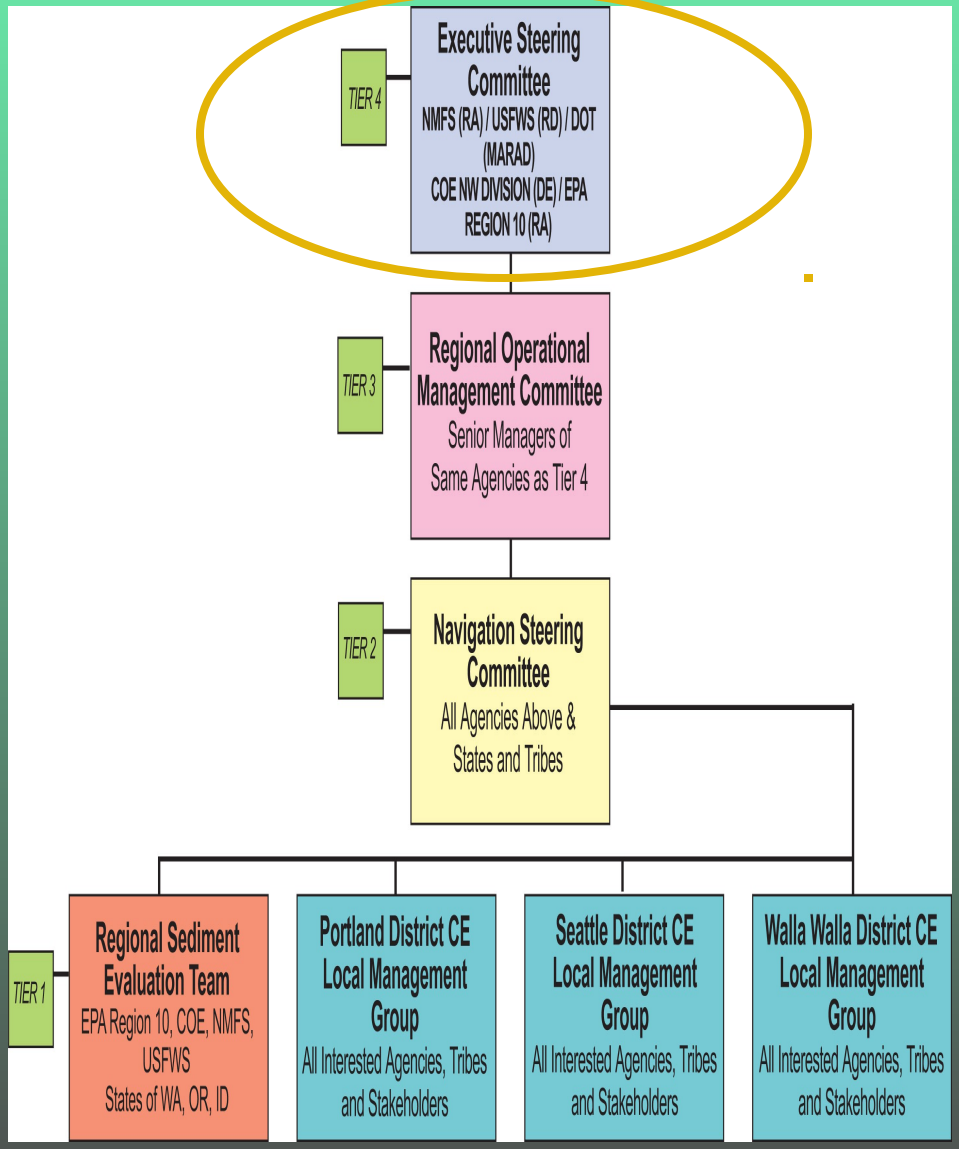
- This is the operations and management committee made up of:
- Regional Federal Senior Managers
- Participation by:
  - Tribal Reps
  - States

REGIONAL DREDGING TEAM Executive Steering Committee Tier 4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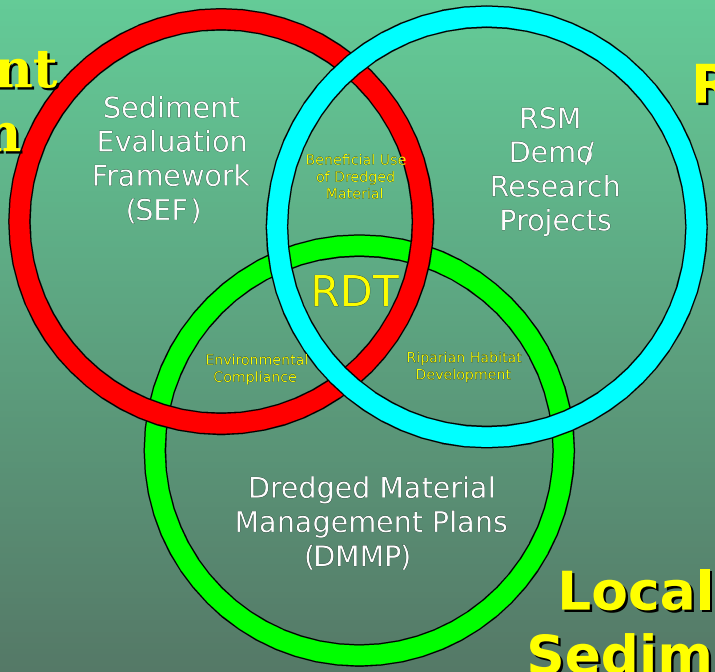
- US EPA Region 10
- USACE NWD
- NOAA (Fisheries)
- NOAA (NOS)
- USFWS
- MARAD (DOT)
- Navy and Coast Guard now on NDT
- Participation BY:
  - Tribal Reps
  - States

Next Steps for RDT

- **Organize Tier One Local Management Teams**
- **Coordinate with NDT**
- **Develop and Adopt LMG Charters**
- **Develop Coordination Schedules for all Tiers**
- **Get Region to use the Structure (Road Map)**
  - **Regional prioritization**
- **Use RSET/DMMPs/RSM as Pilot Cases**

REGIONAL RELATIONSHIPS

Regional Sediment Evaluation Team RSET

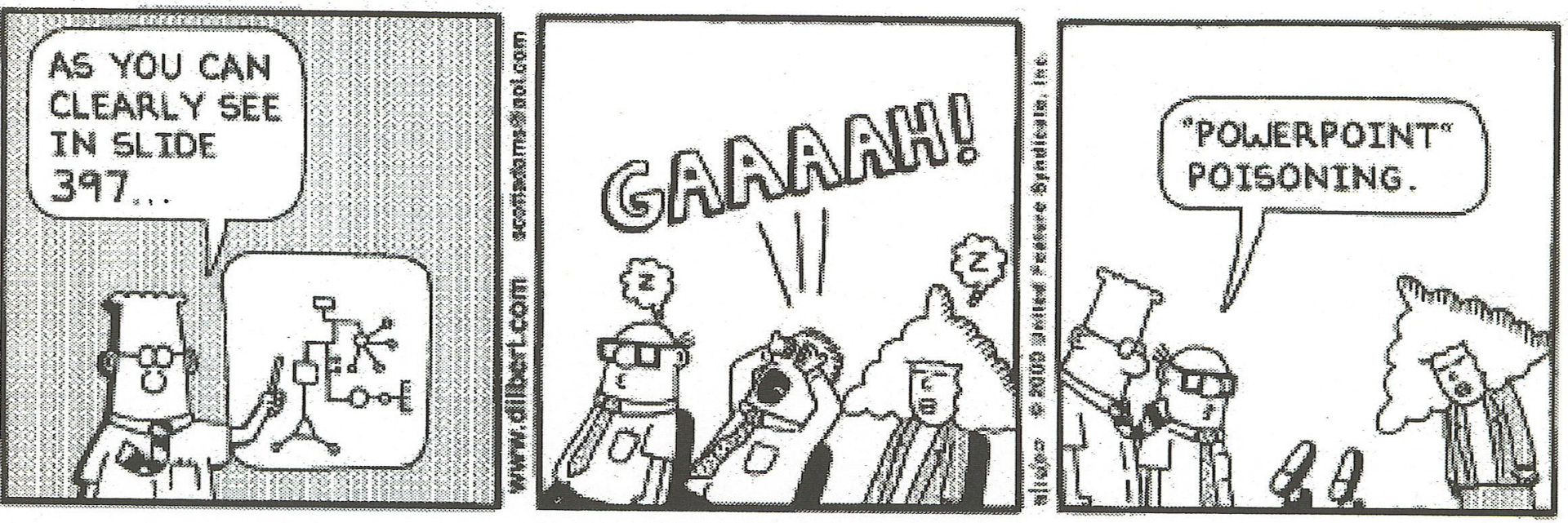


Regional Sediment Management RSM

Local (Corps District) Sediment Management Group (LSMG)

Regional Sediment Evaluation Team (RSET)

- The RSET, a multi-agency group, has been formed under the auspices of the RDT to revise the existing regional DMEF for use by all NW Corps Districts, EPA Region 10, NMFS, USFWS, and other federal and state agencies that require sediment quality evaluation procedures.


AS YOU CAN CLEARLY SEE IN SLIDE 397...
www.dilbert.com scottadams@aol.com
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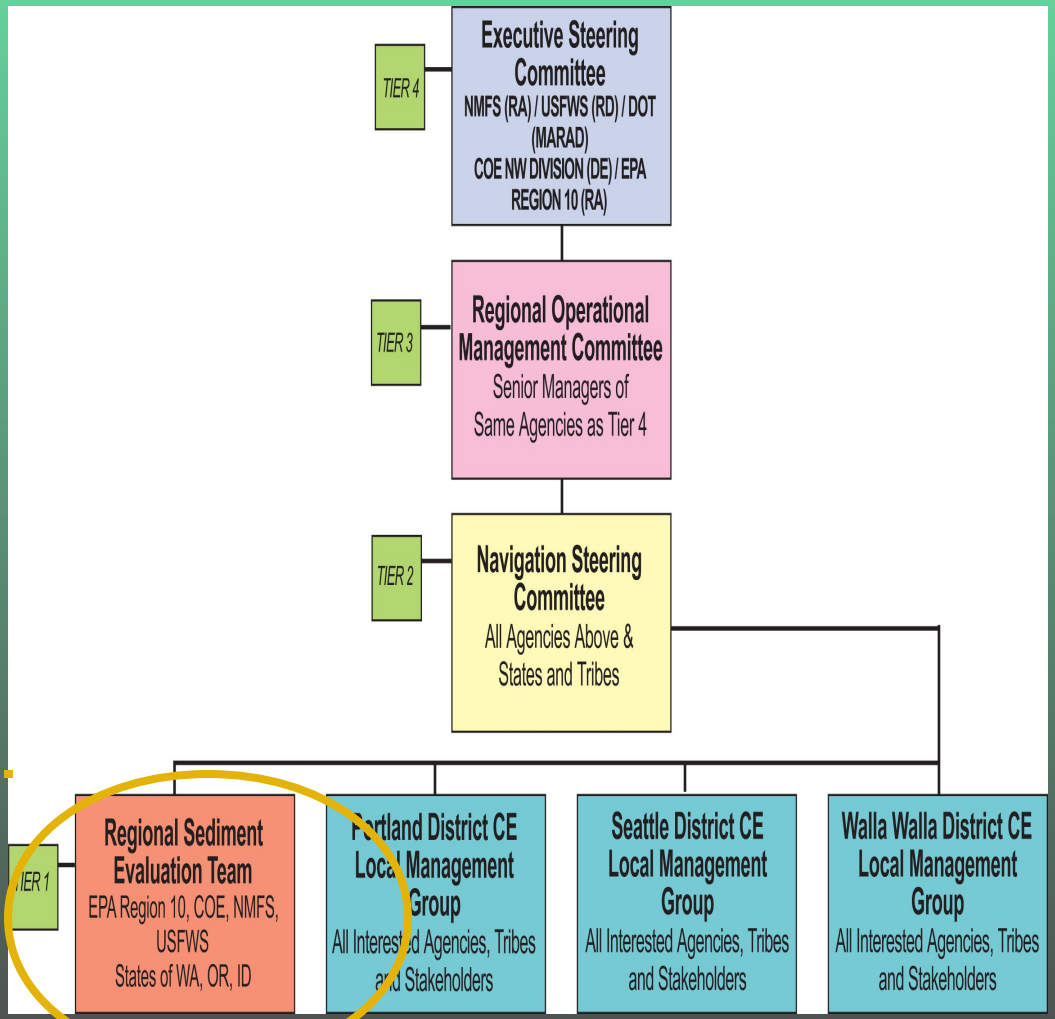
Regional Sediment Evaluation Team (RSET)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- Permanent sediment experts group representing:
  - Federal & State sediment quality/regulatory experts.
- Assist in preparation of DMEF & revisions for the local teams
- Reviews sampling and analysis plans and data
- Recommends new tests
- First Task: develop true regional manual from DMEF

RSET Responsibilities

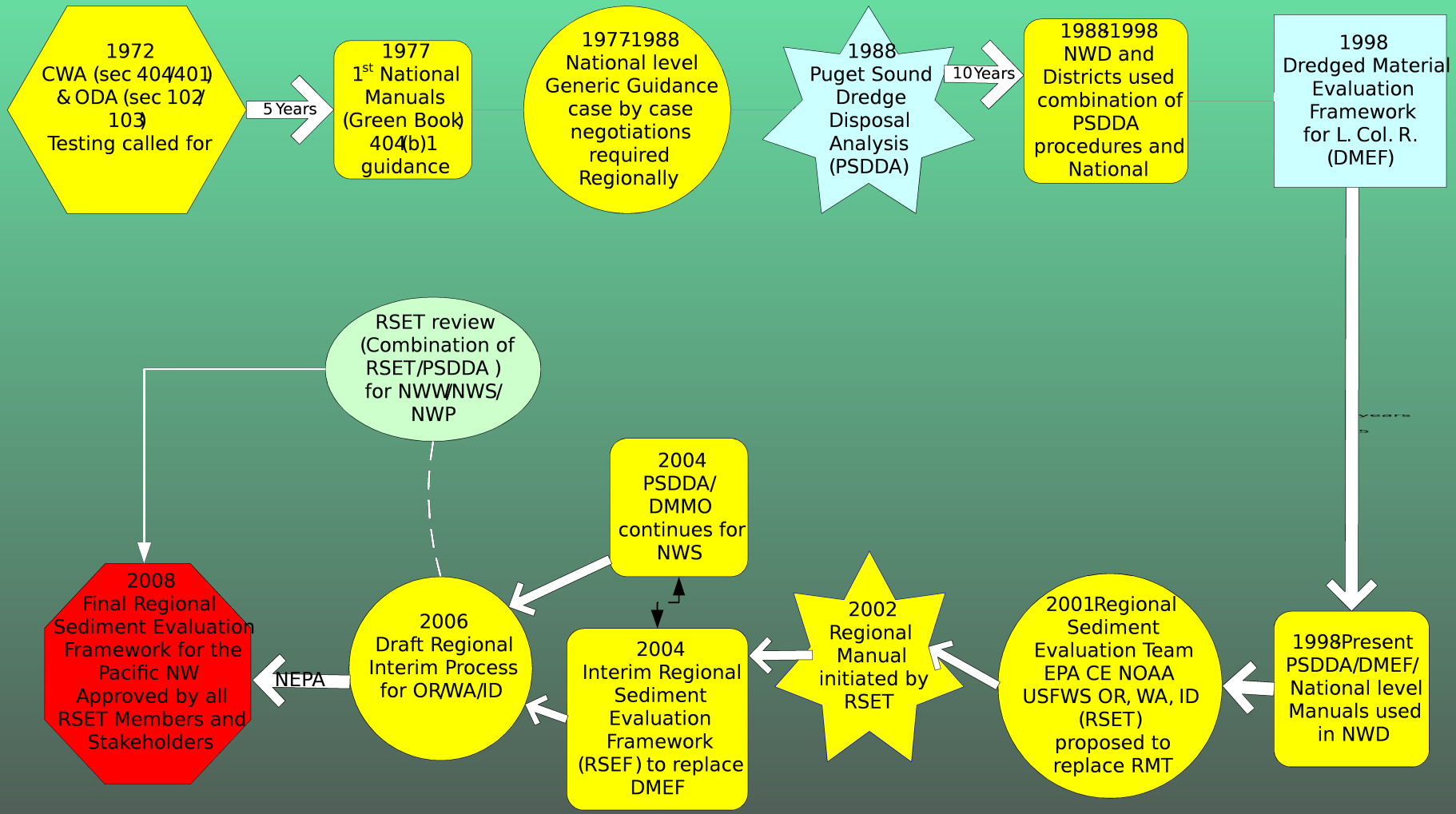
- **Revise and develop sediment evaluation procedures for the Region**
- **Issue as NW Regional Sediment Evaluation Framework (SEF)**
- **Describe process and policy for regulatory issues, including incorporation of sediment evaluations**
- **Keepers and revisers of Sediment Evaluation Framework**
- **Provide panel for review and interpretation of test results**
- **Develop and support regional sediment database**

Dredged Material Evaluation Framework

Lower Columbia River Management Area

November 1998

SEDIMENT EVALUATION IN THE NW

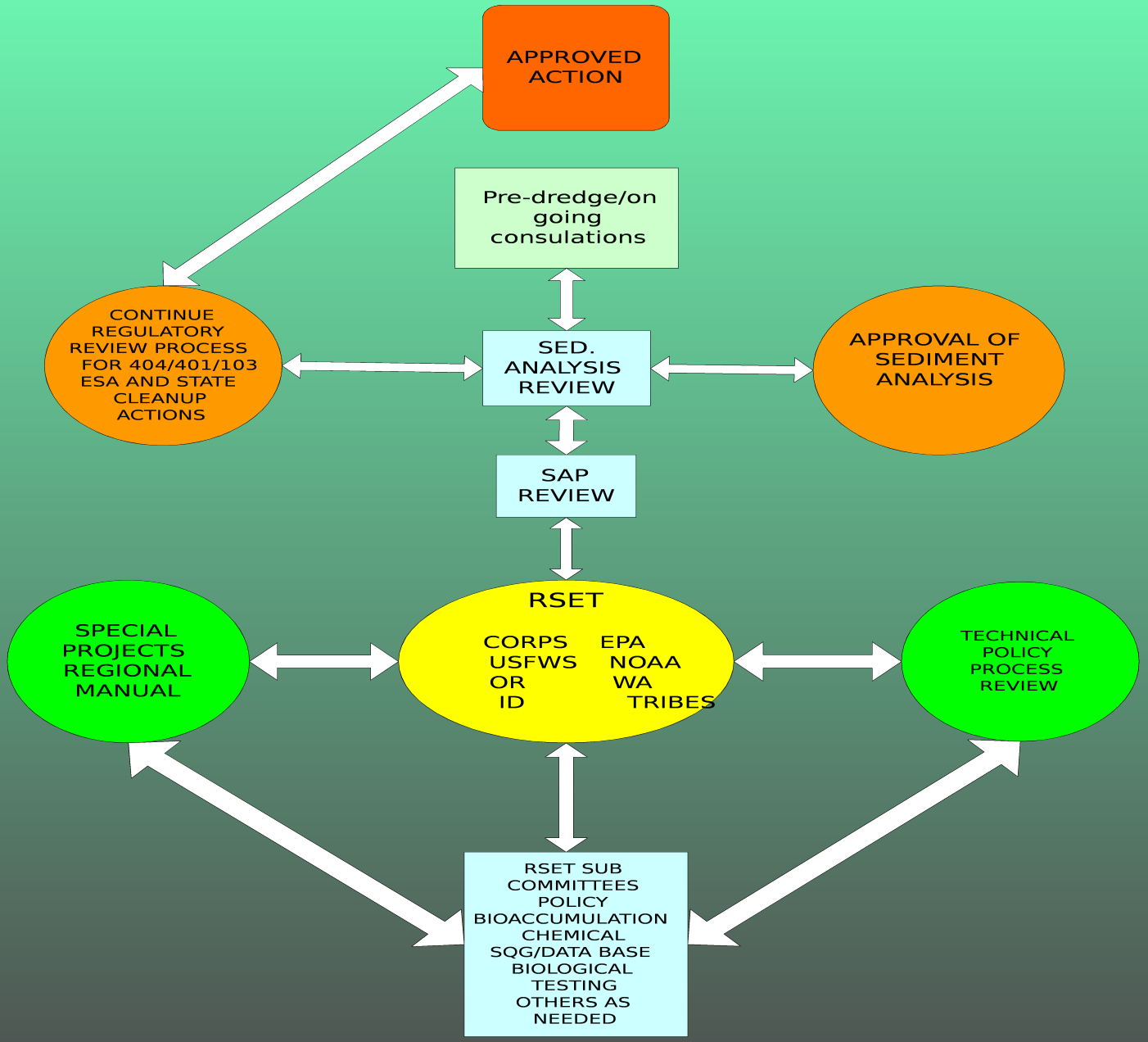

1972
CWA (sec 404/401) & ODA (sec 102/103) Testing called for
5 Years
1977
1st National Manuals (Green Book) 404(b)1 guidance
1977-1988
National level Generic Guidance case by case negotiations required Regionally
1988
Puget Sound Dredge Disposal Analysis (PSDDA)
10 Years
1988-1998
NWD and Districts used combination of PSDDA procedures and National
1998
Dredged Material Evaluation Framework for L. Col. R. (DMEF)
1998-Present
PSDDA/DMEF/ National level Manuals used in NWD
2001
Regional Sediment Evaluation Team EPA CE NOAA USFWS OR, WA, ID (RSET) proposed to replace RMT
2002
Regional Manual initiated by RSET
2004
Interim Regional Sediment Evaluation Framework (RSEF) to replace DMEF
2004
PSDDA/ DMMO continues for NWS
2006
Draft Regional Interim Process for OR/WA/ID
NEPA
2008
Final Regional Sediment Evaluation Framework for the Pacific NW Approved by all RSET Members and Stakeholders
RSET review (Combination of RSET/PSDDA) for NWW/NWS/ NWP

National Efforts

- **Ocean Testing Manual/Inland Testing Manual merger**
- **Relies on consensus developed at “Use of Sediment Quality Guidelines and Related Tools for the Assessment of Contaminated Sediments” SETAC Pellston Workshop held in August, 2002.**
  - **Risk-based**
  - **Use of sediment quality guidelines**

Sediment Evaluation Framework

- RSET relies on technical and policy subcommittees (which are open) to make recommendations for SEF revision.
- Technical/Scientific issues
- Policy issues
- Long-term role


APPROVED ACTION
Pre-dredge/on going consulations
CONTINUE REGULATORY REVIEW PROCESS FOR 404/401/103 ESA AND STATE CLEANUP ACTIONS
SED. ANALYSIS REVIEW
APPROVAL OF SEDIMENT ANALYSIS
SAP REVIEW
SPECIAL PROJECTS REGIONAL MANUAL
RSET
CORPS EPA
USFWS NOAA
OR WA
ID TRIBES
TECHNICAL POLICY PROCESS REVIEW
RSET SUB COMMITTEES
POLICY
BIOACCUMULATION
CHEMICAL
SQG/DATA BASE
BIOLOGICAL TESTING
OTHERS AS NEEDED

Subcommittee Issues

- Sediment Quality Guidelines
  - Freshwater and marine sediment interpretive guidelines and screening levels
  - Develop regional database
  - Field verification of freshwater SQGs
  - Reference site evaluation process

Bioaccumulation Evaluation Issues

- Framework for addressing bioaccumulation under RSET
- Target tissue levels vs. sediment bioaccumulation triggers
- TTLs wildlife
- TTLs humans
- Freshwater bioaccumulation test species

Biological Testing Issues

- Evaluate use of 10-day versus longer term freshwater bioassays
- Are current suite of bioassays protective of ESA species?
- Review and refine (if necessary) biological interpretative criteria

Where Do We Go From Here?

- Outreach to public, representatives of Oregon DSL, Idaho resource agencies, Tribes, and Ports
- Public meeting with Draft Sediment Evaluation Framework; September 2005
  - 45-60 day review
  - internal agency
- Meet to resolve technical issues
- Senior manager review and approval

Where Do We Go From Here?

- Strong desire to keep process moving
  - 06 money important to maintain momentum
- Technical sub-committees will continue work
- Monitor regional and national sediment quality efforts
- Long term implementation support

REGIONAL RELATIONSHIPS

Regional Sediment Evaluation Team RSET

Regional Sediment Management RSM

Local (Corps District) Sediment Management Group (LSMG)

NWD RSM Vision

A Unified Sediment Management Plan for all Watersheds in USACE Northwestern Division

RSM Authorities

- Sec.516. Sediment Management. (WRDA, 1996)
- Sec.202. Watershed and River Basin Assessments. (WRDA, 2000)
- Sec. 204, 206, 1135 (Corps CAP authorities)
- Planning Assistance to States: Sec. 22
- RSM: Background and Overview of Initial Implementation (Martin, IWR, 2002)
- Others

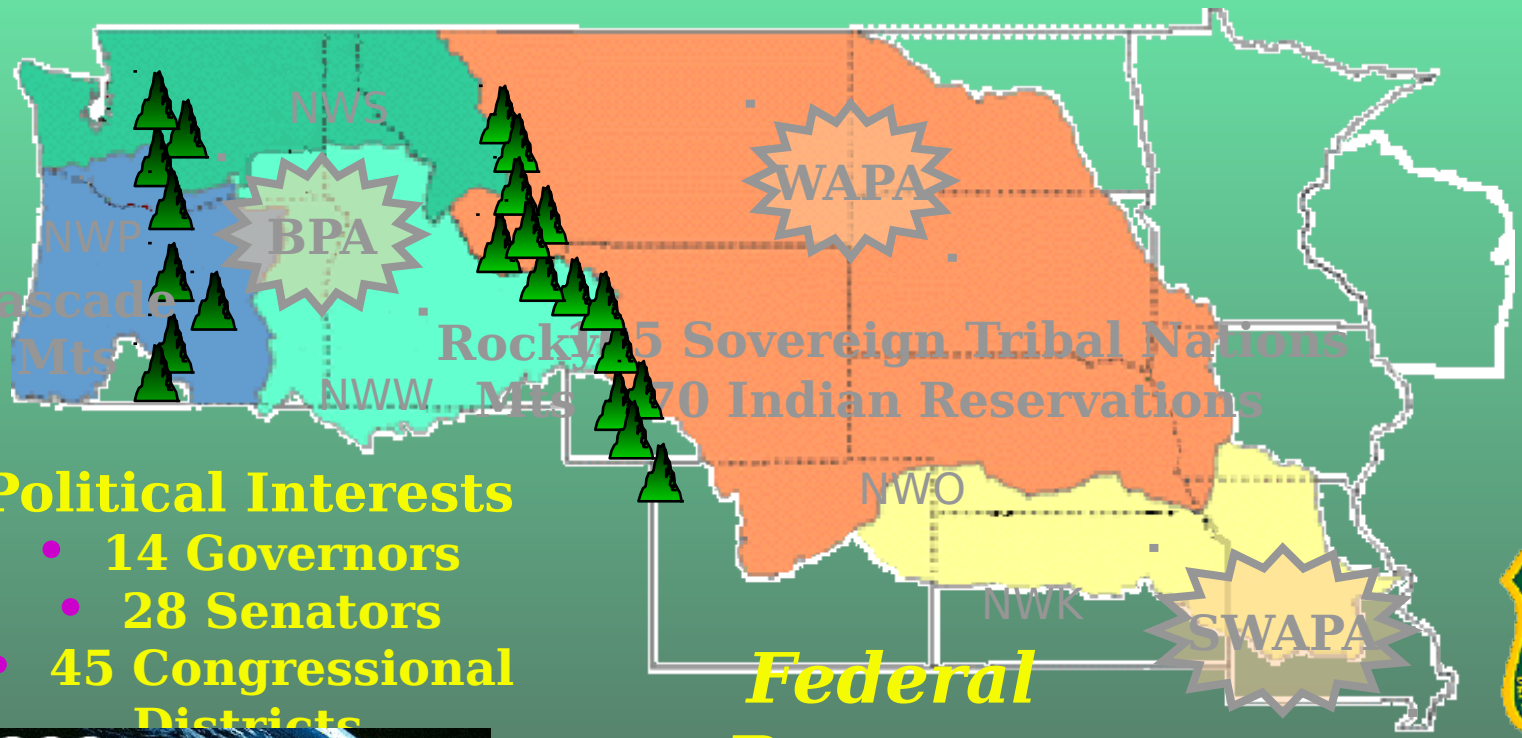
RSM Key Concepts

- Recognize sediment as a resource
- System-based approach – ocean, estuary, river as a system
- Understand and work with natural processes
- RSM includes:
  - navigation channel dredging & disposal
  - ecosystem restoration
  - flood control
  - hydrosystem operations
  - salmon recovery
  - remediation

RSM Key Concepts (cont'd)

- Develop regional strategies for both environmental and economic benefits
- Strategic alliances with stakeholders – agencies, local sponsors, interest groups
- Activities and solutions go beyond traditional project boundaries and time scales
- Implement more efficient solutions

Regional Interface



Political Interests

- **14 Governors**
- **28 Senators**
- **45 Congressional Districts**

Federal Partners

USGS science for a changing world

U.S. Department of the Interior Bureau of Reclamation

United States Environmental Protection Agency

United States of America 1892 Bureau of Indian Affairs

U.S. Fish & Wildlife Service

Bonneville Power Administration

National Oceanic and Atmospheric Administration NOAA U.S. Department of Commerce

Forest Service US Department of Agriculture

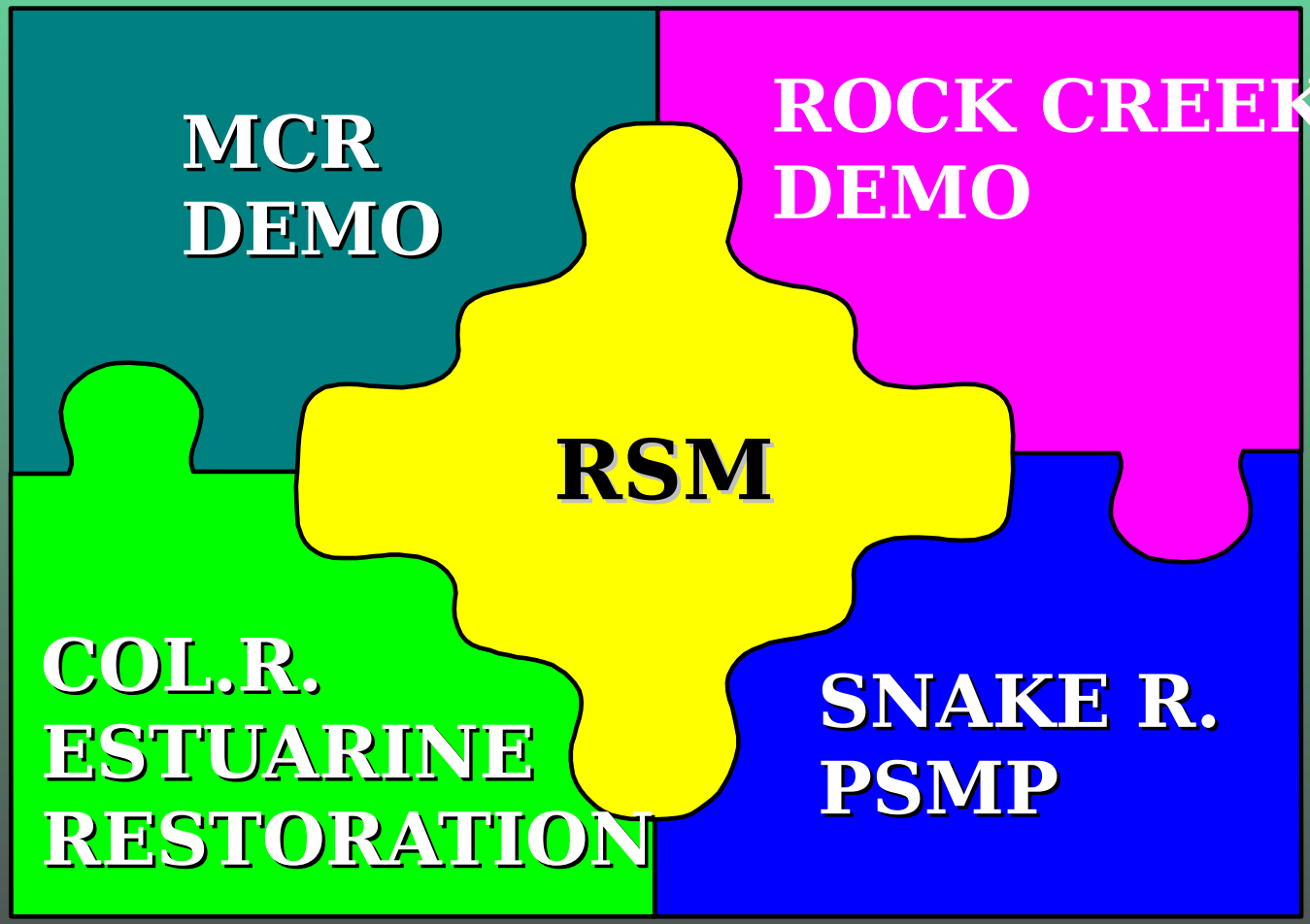
3 Components of NWD RSM

- Develop programmatic guidance
- Conduct demonstration activities
- Support R&D studies and evaluations

Col./Snake RSM Components

- Snake R./McNary PSMP NWW
- MCR RSM Demo NWP/NWS
- eGIS for RSM applications NWP/NWW/NWS
- Rock Creek & Inventory RSM Demo NWD/NWW/NWP
- Upland Sed. Retention Studies NWW
- Regional Sediment Evaluation Team RSET
- Regional Dredging Team RDT
- Col. R. Channel Improvement Project NWP
- Col. Estuary Restoration Study NWP

A PART OF THE BIG JIGSAW PUZZLE



Columbia/Snake R. RSM Strategy

The system can be viewed as a giant jigsaw. As pieces are developed for the puzzle (issues emerge and are studied) the puzzle will be completed or at least assembled to the point the picture can be recognized.

At some point in the future a frame for the NWD RSM Plan will be complete with the Columbia/Snake River watershed being the most complete portion of the big picture.

PgMP for NWD RSM activities

- NWD PgMP is a Demo (pilot) funded by the national RSM program – ERDC $$s
- NWD PgMP is to be used by other MSCs
- Consistent with the Corps' 2012 Strategic Plan, Regional Business process
- Implements EOPs applied to sediment management
- This Demo PgMP is the next step toward the overall NWD RSM program

RSM PgMP Demo Scope

- Geographic scope = Columbia River basin
  - Columbia/Snake River system
  - Littoral cells that contain C/S sediments
  - Focus on both riverine and coastal
- Team includes the 5 NWD Districts
- Watershed (sedimentshed) approach

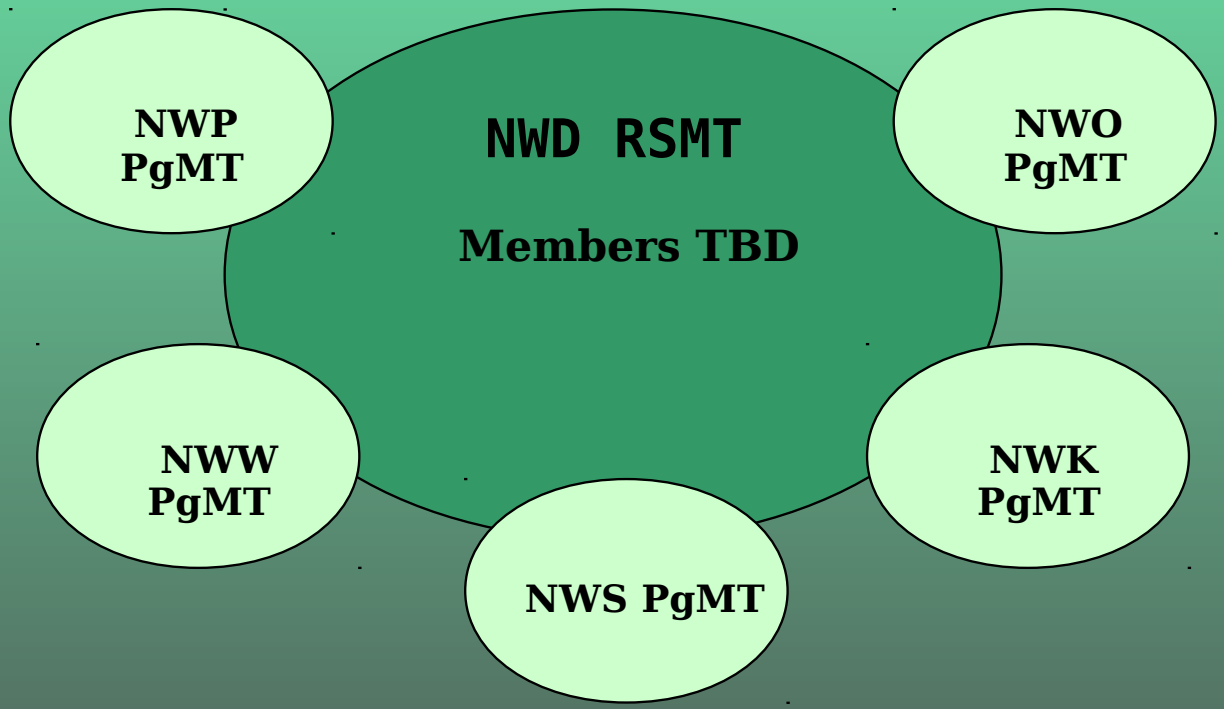
PgMP Schedule

- PgMP team named March 2005
  - Rudd Turner CENWD-PDD-A (leader)
  - Martin Hudson CENWP-PM-F
  - Carl Christianson CENWW-PM-PPM
  - Phillip Hoffman CENWS-PM-PL-ER
  - John Remus CENWO-ED-HF (Jun05)
  - Mike Chapman CENWK-FO-MO (Jun05)
  - Ed Woodruff CENWD-PDD-A
  - Jim Reese CENWD-PDD-A
- 1st draft April 2005
- Draft 20 June 2005
- External review summer 2005
- Draft final September 2005

NWD RSM Teams

- Joint Division/District Team(s) will be utilized
  - NWD RSM Team
  - District PgMTs
  - Project PDTs – may include external stakeholders
- Close interface with non-Corps entities (EPA, others)
- Build on NWD history of District/Division/interagency cooperation
  - Columbia/Snake hydrosystem operations
  - salmon recovery program
  - coastal navigation projects
  - Columbia River System Operation Review

Northwestern Division
Regional Sediment Management Team



RSM AAR

- Conduct an After Action Review
  - Identify authority, funding, implementation issues
  - How well does the RSM concept work in actual NWD programs and projects?
  - Is it consistent with the Regional Business Center process?
  - What are the obstacles to implementing RSM, and how might they be overcome?

RSM: Next Steps

- PgMP external review
- eGIS proposal
- Snake R./McNary PSMP support
- PgMP approval by RMB (and RDT?)
- RSM Workshop
- FY06 proposal to ERDC

Idaho Department of Environmental Quality

Mission: To protect human health and preserve the quality of Idaho's air, land, and water for use and enjoyment today and in the future.

DEQ

WASHINGTON STATE DEPARTMENT OF Natural Resources

WASHINGTON STATE DEPARTMENT OF ECOLOGY

The Old

Each Civil Works project goes it alone with its own budget; Corps Division sets priorities; sediment passed to next project

The New

Civil Works projects and stakeholders in a watershed work together with common goals to manage sediment as a natural resource for environmental sustainability and economic benefits

US Army Corps of Engineers ®

EPA United States Environmental Protection Agency

U.S. Fish & Wildlife Service

NOAA National Oceanic and Atmospheric Administration

REGIONAL RELATIONSHIPS

Regional Sediment Evaluation Team RSET

Regional Sediment Management RSM

Local (Corps District) Sediment Management Group (LSMG)

OBJECTIVES OF ALL COLLABORATIVE REGIONAL EFFORTS

CAPITALIZE ON POTENTIAL ECONOMIC BENEFITS

ID AND ELIMINATE BUREACRATIC OBSTACLES

IMPROVE RELATIONS WITH PARTNERS

RESTORE AND MAINTAIN THE NATURAL SYSTEM

Volume 2, Issue #11
November 2004

US Army Corps of Engineers
Northwestern Division

NWD Regional Business Center

It's Your Business

HQNWD Portland moves Dec. 18-19
to
Suite 500
1125 NW Couch St.
Portland OR 97209

PO Box 2870
Portland OR 97208

Post office box and phone numbers will remain the same. Fax numbers may change.

Card access or visitor badge required.

Regional dredging effort exemplifies collaboration

Innovation, partnership and collaboration have long characterized Northwestern Division's effort to deal with dredging and sediment management issues in the Pacific NW.

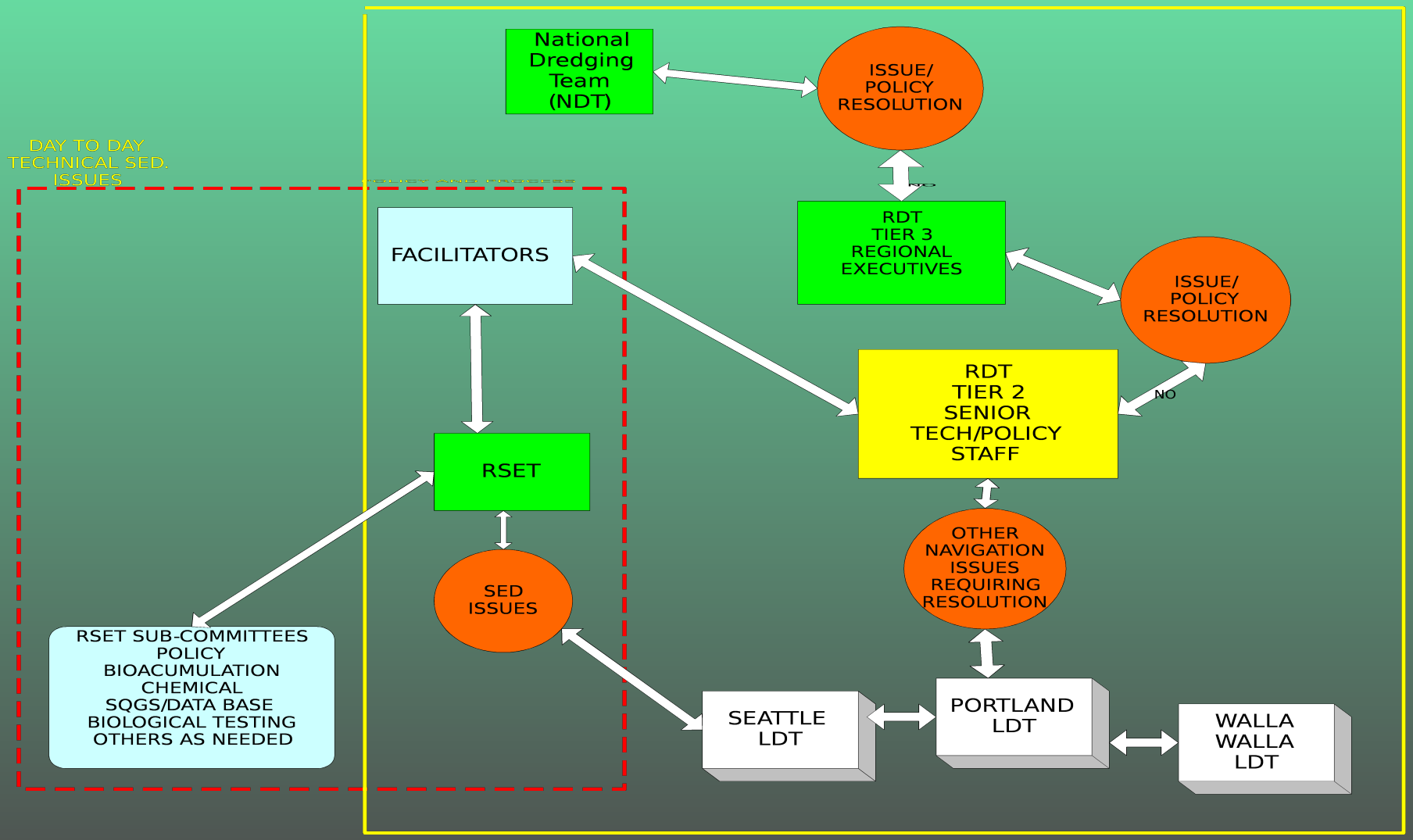
Like a multi-tentacled sea creature, the reach of the regional effort continues to grow. According to NWD navigation and environmental specialist, Jim Reese, the most visible and successful efforts include the formation of a Regional Dredging Team, a Regional Sediment Evaluation Team, a Regional Sediment Management business process, and a Pacific Navigation Community of Practice.

Regional Dredging Team

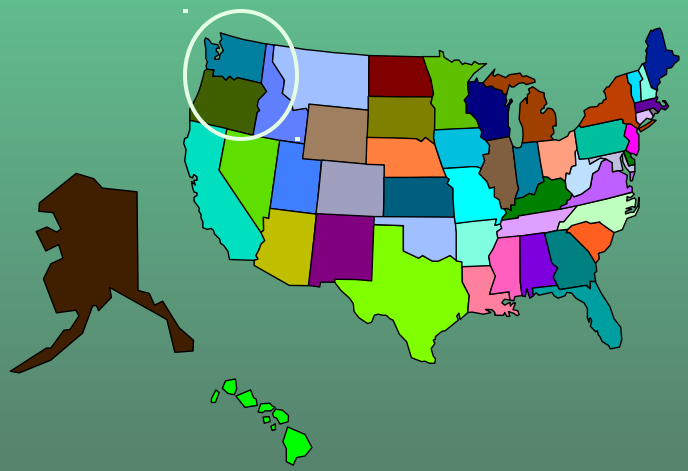
Originally chartered as a national dredging team in 1995 with other federal agencies (Corps, EPA, NOAA Fisheries, USFWS, USDOT's Maritime Administration), each agency formulated individual regulations to implement the national team and called for additional ways to elevate issues through Regional Dredging Teams.

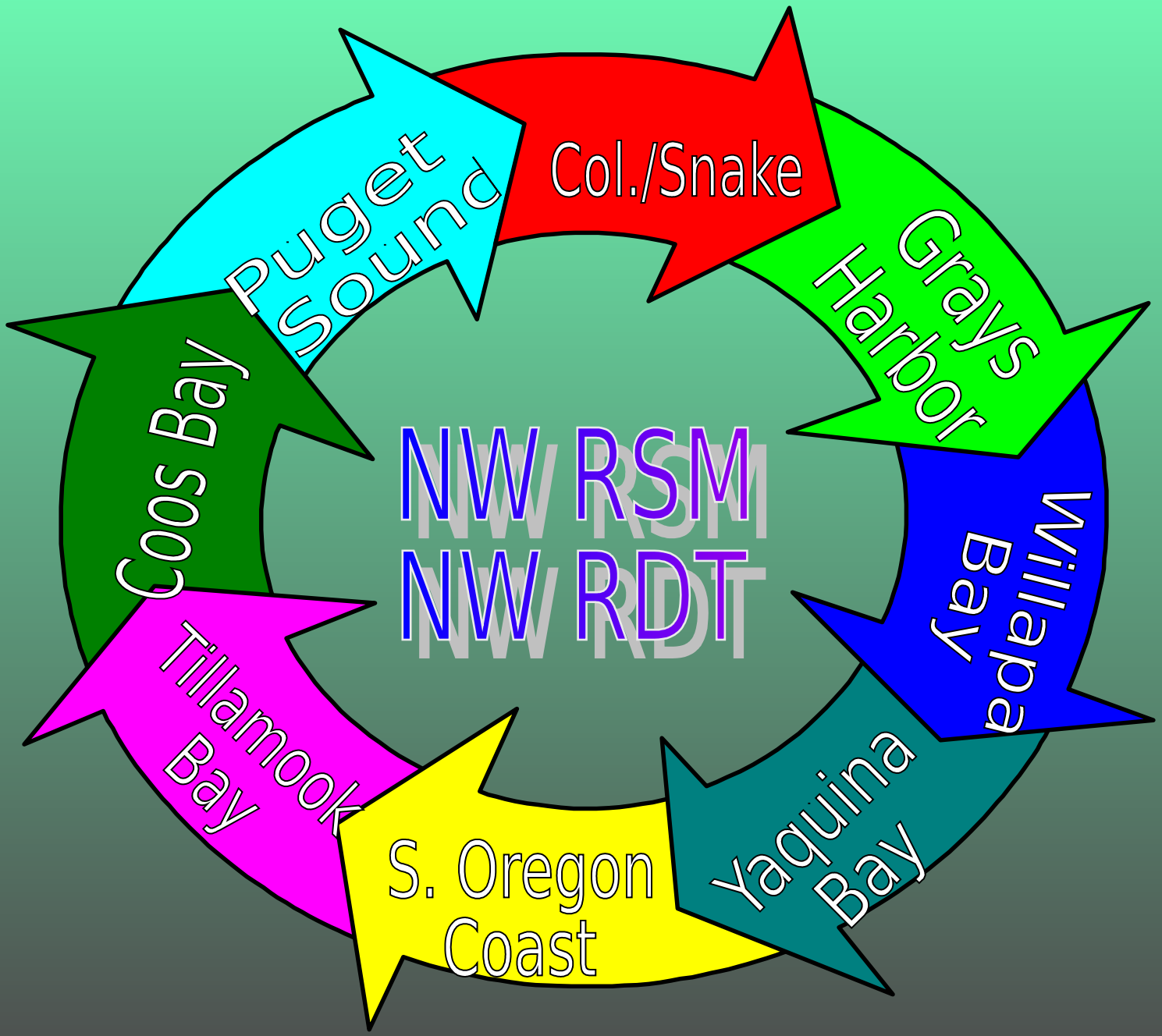
(Continued on page 3)

INTERRELATIONSHIPS OF REGIONAL INITIATIVE



COLLABORATIVE PARTNERSHIPS




Puget Sound
Col./Snake
Grays Harbor
Willapa Bay
Yaquina Bay
S. Oregon Coast
Tillamook Bay
Coos Bay
NW RSM
NW RDT

RDT/RSET/RSM Results

- Develop regional strategies and priorities
- Form strategic alliances
- Activities and solutions reach beyond traditional agency authorities and resources
- Implement more efficient solutions

WHERE ARE WE GOING/NEXT STEPS

- **RELEASE OF DRAFT SEF (RSET)**
- **ESTABLISHMENT OF PERMANENT RSET SED. REVIEW GROUP AND SUB-GROUPS IN EACH DIST.**
- **CONTINUED DEVELOPMENT OF SEF IN FY 06**
- **PLANNING FOR FY 07 NO ID FUNDS FROM CORPS**
  (NORMAL BUSINESS FUNCTION)
- **CONTINUATION OF RSM DEMOS**
- **ESTABLISHMENT OF RSM R&D FIELD SITES**
- **PACNAVCOP ROLE GROWS WITH QUARTERLY CONFERENCE CALLS AND SEMI-ANNUAL MEETINGS**

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DEQ

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Questions ??

US Army Corps of Engineers ®

EPA United States Environmental Protection Agency REGION 10

U.S. FISH & WILDLIFE SERVICE

NOAA National Oceanic and Atmospheric Administration